

Practice

For use with pages 334–339

Use a proportion to answer the question.

1. What percent of 70 is 21?
2. What percent of 48 is 12?
3. What percent of 56 is 42?
4. What percent of 105 is 63?
5. What number is 42% of 150?
6. What number is 70% of 130?
7. What number is 48% of 175?
8. What number is 15% of 160?
9. 150 is 15% of what number?
10. 21 is 12% of what number?
11. 198 is 33% of what number?
12. 264 is 55% of what number?
13. The population of a town in 2004 was 12,000. The population of the town in 1994 was 10,800. What percent of the 2004 population is the 1994 population?
14. The Royal Opera House Orchestra in London, England, includes 13 musicians who play the viola. The musicians in the viola section make up $12\frac{1}{2}\%$ of the orchestra. How many musicians are in the Royal Opera House Orchestra?

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- 15.** A bag contains 6 red marbles, 9 blue marbles, and 5 green marbles. You randomly select one marble from the bag. What is the probability that the marble is red? Write your answer as a percent.

- 16.** A greeting card store receives a shipment of cards. The table shows the number of each type of card received.

Type of card	Number of cards
Birthday	72
Good Luck	36
Friendship	92
Get Well	40

- a.** What percent of the cards were birthday cards? Good luck cards?

- b.** In the shipment, 40% of the cards had yellow envelopes. Of the 72 birthday cards, 18 had yellow envelopes. What percent of the birthday cards had yellow envelopes?

Use a proportion to answer the question in terms of y .

- 17.** What number is 16% of y ? **18.** What percent of $6y$ is 24?

- 19.** $3y$ is 45% of what number? **20.** What percent of $7y$ is 119?